

# 4237

## GLASS FILAMENT ELECTRICAL TAPE

### DESCRIPTION

High tensile strength glass filaments and conformable PET film coating with an aggressive adhesive for a variety of heavy duty insulating, banding and holding applications. 1.0 mil polyester film provides puncture, edge tear and abrasion resistance. Specially designed and intended for use in oil-filled transformers. Once thermoset, the acrylic adhesive offers superior resistance to chemicals, solvents and aging in addition to excellent dielectric strength and insulation resistance.

### PRODUCT APPLICATIONS

Lead and saddle tie down, banding and bundling motor and transformer coils and coil covering.

### SPECIFICATION COMPLIANCE

A recent study by a widely respected, independent test lab demonstrates this tape not only meets but exceeds the requirements of ASTM D3455 'Test Method for Compatibility of Construction Material with Electrical Insulating Oil of Petroleum Origin'. 4237 is one of a very few products available in today's market meeting this rigorous requirement.

*Note: We will share this data with you and your company during a personal meeting.*



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EFFECTIVE: 11/13

## INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

### NOMINAL VALUES

The following data are nominal values based on PSTC, ASTM and other standard tests. The data should not be considered as specifications.

<b>Backing</b>	Polyester Film/ Glass Filaments
<b>Backing Thickness</b>	4.5 mil (0.114 mm)
<b>Adhesive</b>	Thermosetting Acrylic
<b>Color</b>	Transparent Adhesive
<b>Total Thickness (mil)</b> ASTM D3652	7.25 (0.18 mm)
<b>Temp/Class</b>	155°C / F
<b>Electrolytic Corrosion</b>	Direct 1.0/A, 1*
<b>Dielectric Strength</b> ASTM D1000	5000 volts
<b>Dielectric Constant</b> ASTM D1000	2.29
<b>Insulation Resistance</b> ASTM D1000	10 <sup>6</sup> megohms
<b>Tensile Strength (lbs/in)</b> ASTM D3759	295 (516 N/cm)
<b>Adhesion to Steel (oz/in)</b> ASTM D3330	45 (4.9 N/cm)
<b>Elongation (% at break)</b> ASTM D3759	7.0
<b>Storage Stability</b>	Up to 24 months
<b>Solvent Resistance</b>	Excellent
<b>Moisture Resistance</b>	Excellent
<b>UL File#</b>	E20780
<b>CSA File#</b>	LR94990

